FS-P250 Quick Start Guide

This document is a quick look into using the Vitec FS-P250 with Panasonic AG-HPX250/255. The following will be covered in this document:

- **Getting Started and Recording Proxy Footage on the FS-P250→***(1) What you need, (2) Wiring, Mounting, and Menu Setup, (3) Selecting Proxy type and Recording*
- **Using Wireless Features of FS-P250→**(1) Setting up Wireless Module (2) Using Web Interface
- **Editing Proxy Footage→**(1) Using Proxy Companion to Merge Metadata and Unspan High-Resolution P2 Clips (2) Editing Proxy in Apple Final Cut Pro 7

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1. Getting Started and Recording Proxy Footage on the FS-P250

1. 1: What you need:

1. Panasonic AG-HPX250 OR AG-HPX255 with charged battery pack or AC Adaptor. Note: Ensure that AG-HPX250 firmware used is v10.59 or later (if AG-HPX255-v10.22 or later)
2. Vitec FS-P250 with charged battery pack or AC Adaptor.
3. (1) P2 Card (of desired size) and (1) SD Card (of desired size).
4. BT-MOUNT (To mount FS-P250 to camera Unit)-*OPTIONAL*

1.2: Wiring, Mounting, and Menu Setup

A. Wiring Diagram:

Take **SDI OUT** of AG-HPX250/255 into the **SDI IN** of FS-P250.
(Note on earlier models of the FS-P250, SDI in and SDI Loop have been mislabeled. If user does not see video input, try switching between SDI IN and SDI LOOP on FS-P250.)

B. Mounting (*OPTIONAL)*:

A user may use the BT-MOUNT to mount the FS-P250 to the AG-HPX250 as seen below:

C. Menu Setup:

- Press **MENU** button on AG-HPX250

.

- Select **7. OUTPUT SEL**.
  - Select **EXPANDED** for **SDI METADATA**

- Press **MENU,** to go back to main menu and then select **5. RECORDING SETUP**
  - Select **FRMRATE** for **UB MODE** (Set by default)

Note: If user is having difficulties, be sure to check the following menu settings:

1. Under **5. RECORDING SETUP, REC FUNCTION** set to **NORMAL** (not INTERVAL, ONE SHOT, or LOOP)
2. **MODE** switch (used to turn camera on/off & switch mode) is set to CAMERA (not PB/THUMBNAIL or PC MODE)
3. Under **1. SCENE FILE, VFR** set to **OFF**
4. Under **2. SYSTEM SETUP**, **REC SIGNAL** cannot be set to **1394.**

1.3: Selecting Proxy Type and Recording

A. To Select Proxy type, press **MODE** on the FS-P250 until you see the desired proxy format and press **OK** to confirm. See **Appendix A** of this document for proxy output types and video input types.

B. Once you have the desired proxy type selected, you are ready to record. Insert P2 card in camera and SD card in FS-P250 recorder, if you have already not done so. Now press **RECORD** on HPX250, FS-P250 will record synchronized and both P2 high resolution and SD proxy footage will record.

If you see “RECORD” on the FS-P250 when you press RECORD on the HPX250, **then you have successfully setup the unit for synchronized proxy recording.**

2. Using Wireless Features of FS-P250

This section will show you how to (1) Install Wireless Dongle for FS-P250, (2) Connect to FS-P250 Wirelessly (3) Record/Playback of Proxy (4) Live Streaming of Proxy (5) Inputting Text Memos & Metadata

2.1 Installing and Setting up Wireless Dongle on FS-P250

A. To use the wireless features of the FS-P250, a Panasonic AJ-WM30 Wireless USB Dongle is required. Plug the dongle into the **USB** port of the FS-P250.

B. If desired, one may adjust network settings:
   a. By default, network settings are configured as follows:
      - AdHoc Mode
      - SSID: FS-P250_xxxx
      - IP Address: 10.0.0.1
   b. To access and change the default settings, hold down on the **MODE** button of the FS-P250. Press **MODE** 3x to get to Network Settings and press **OK** to select. Here you will be able to change the different network settings. Please refer to the FS-P250 Web Interface Manual for further instructions.

2.2 Connecting to FS-P250 Wirelessly

FS-P250 Wireless Web Interface is compatible with PC, Mac, and iOS Platforms. For detailed specifications and compatibility refer to **Appendix B** of this document.

A. Connect to the network with SSID: FS-P250_xxxx on your PC, Mac, or iOS device. See below to see WIFI connection utilities on PC, Mac, and iPhone (iOS) (each device may look slightly different).:

Fig 2.2(a): PC

Fig 2.2(b): iPhone (iOS)

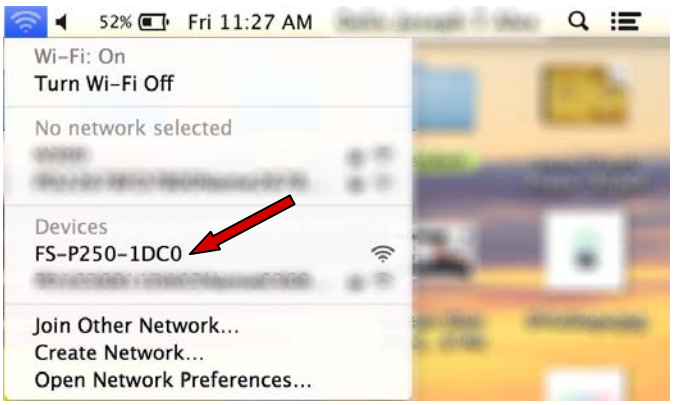
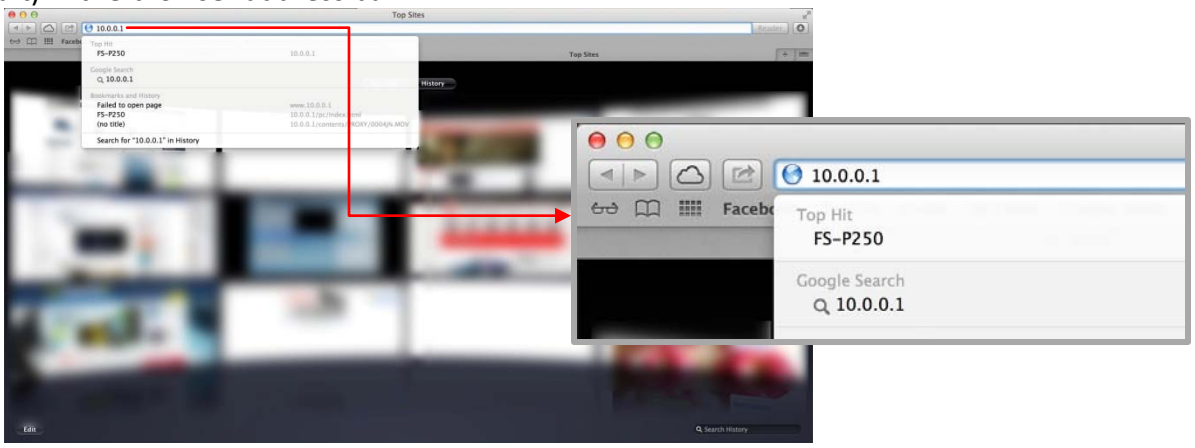
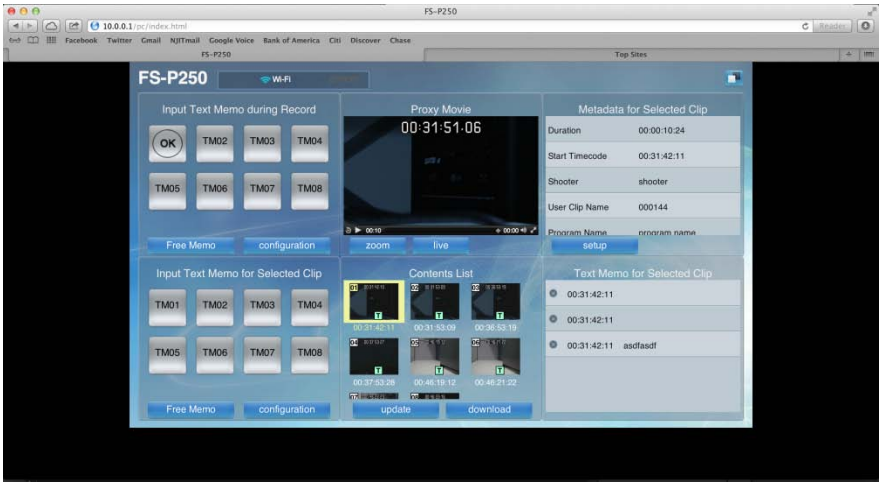


Fig 2.2(c): Mac

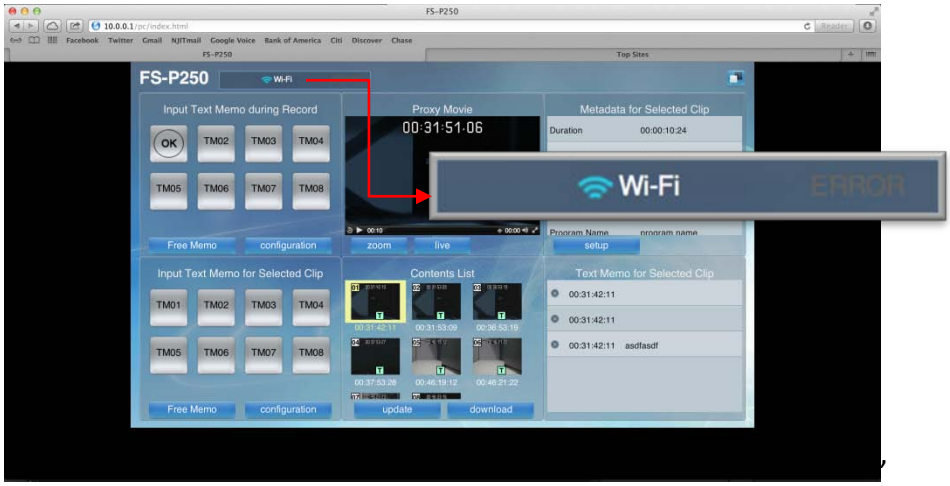
B. Open up the available browser (Internet Explorer, Safari, Firefox) on your device and enter 10.0.0.1 (factory default) in the browser address bar.



C. The following Web Interface will display on a PC, Mac, or iPad. iPhone interface is slightly different—refer to Web Interface User Manual for more information.



D. Note the following WIFI indicator lights up when a wireless LAN connection has been established with the FS-P250 device. Lights out when the connection is not available



2.3 Record/Playback of Proxy

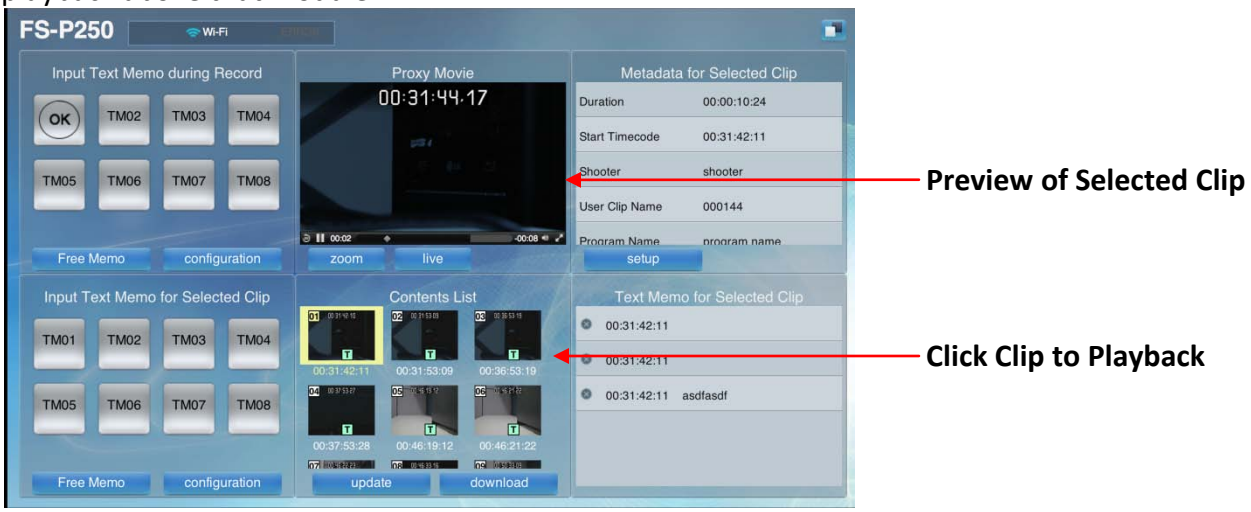
A. **Recording & the Record Indicator**

A. To **Record**, press the Record Button on the HPX250/255 Camera.

B. For the user monitoring through the Web Browser, the **Record Indicator** will light up when the camera is in record mode.

B. **Playback Clips**

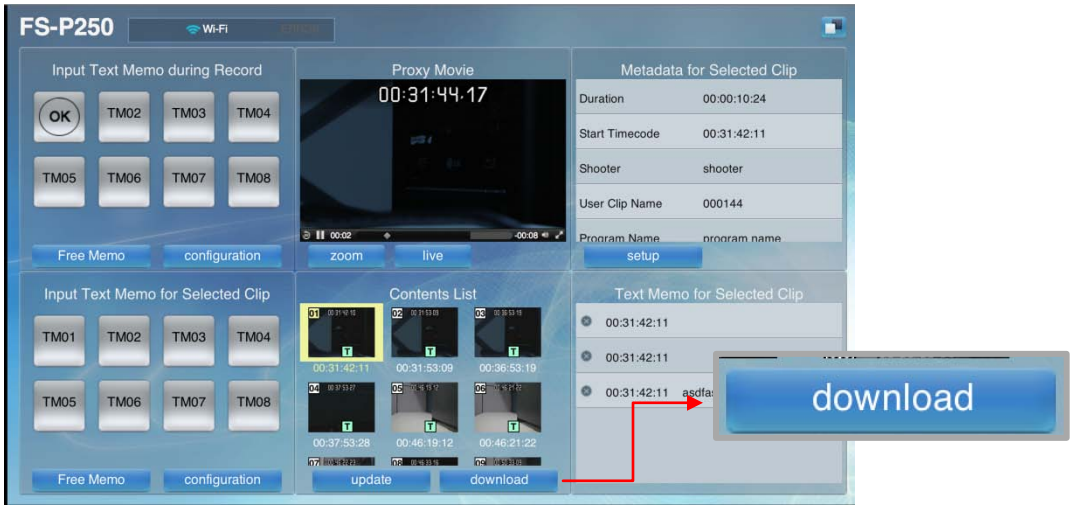
A. To **Playback** a Clip, under the Contents List Module, **Click** the desired clip. The clip will playback above that module.



2.4 Downloading Proxy Clips

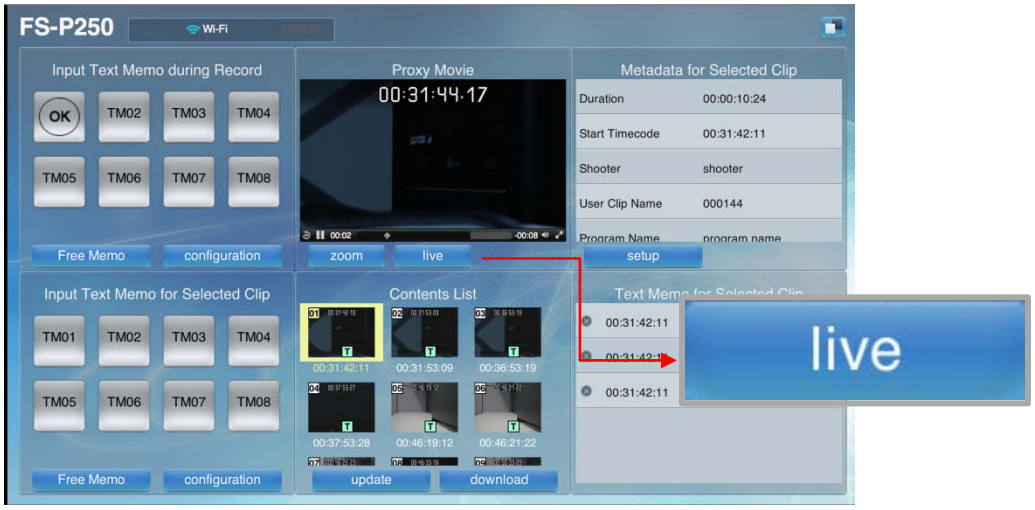
C. To Download Clip, click the desired click you would like to download.

D. Click **download** on the bottom of the Contents List Module.



2.5 Live Streaming of Proxy

E. To monitor the live stream from the camera, click **Live** at the bottom of the Proxy Movie module.



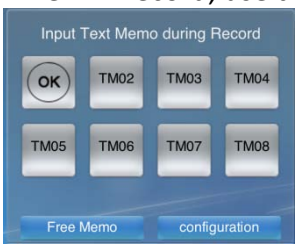
2.6 Zooming Proxy or Live Streaming Playback

F. Click **Zoom** at the bottom of the Proxy Movie Module.

2.7 Inputting Text Memos & Metadata

2.7.2 Choosing the Correct Input Text Memo Module:

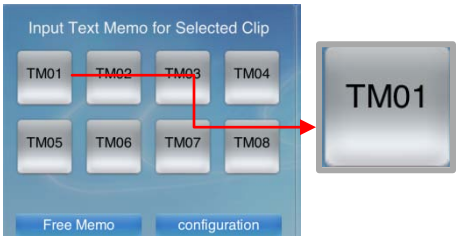
(a) When in Record, use the **Input Text Memo during Record** Module.



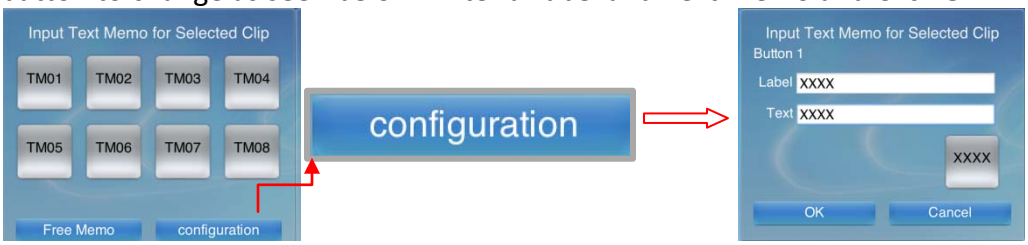
(b) When you are not in Record, use the **Input Text Memo for Selected Clip** Module.

2.7.1 Inputting Default Text Memos and Changing Default Memo Presets

(a) If you are not in record mode, click the clip for which you want to enter the memo. To input a default text memo, click the respective button for the default memo.



(b) To change default text memos, click the **configuration** button. And click the respective button to change as seen below. Enter a Label and Text Memo and Click **Ok**.



2.7.2 Inputting Free Memos

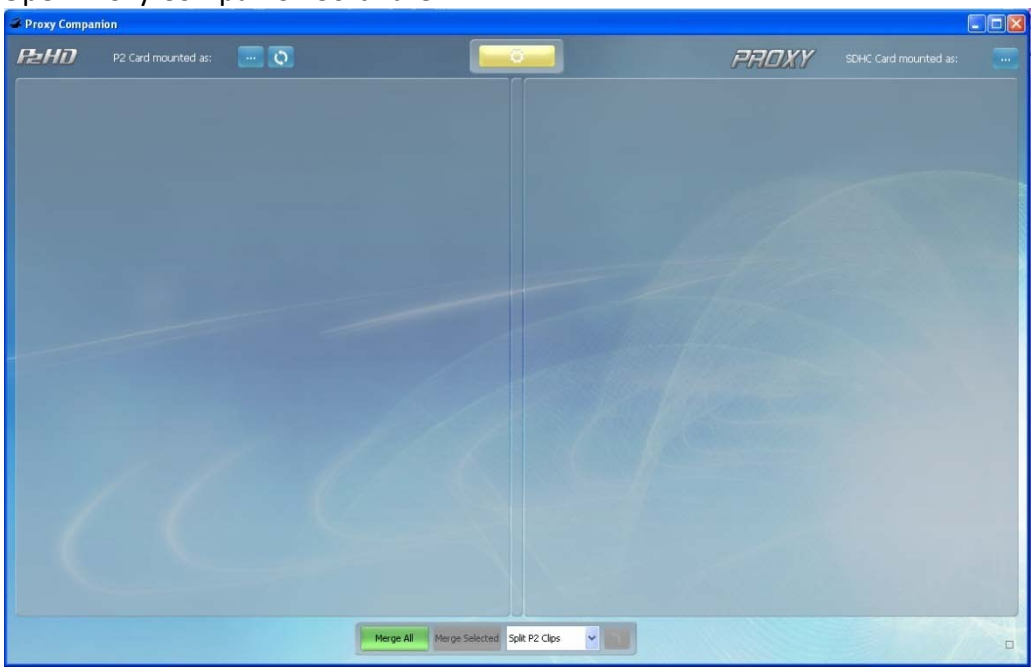
(a) If you are not in record mode, click the clip for which you want to enter the memo. Click **Free Memo**. Enter the desired memo and click **submit**.

3. Editing Proxy

3.1 Using proxy companion to transfer metadata between proxy & P2 and splitting spanned clips

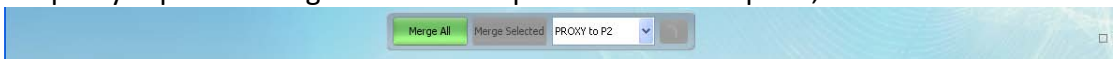
Vitec Proxy Companion Software allows user to (1) Merge Metadata between high-resolution and proxy clips and (2) splitting spanned clips (for streamlined editing process)

A. Open Proxy Companion Software

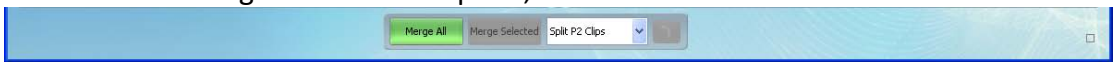


B. Insert P2 and SD card into computer. Use "…" button on top left and right to direct Proxy Companion Software to the location of the P2 and SD Cards.

C. On the bottom of the interface, several templates are available for use. Use the "**Proxy to P2**" template to transfer text memos and user metadata inputted through the web interface from the proxy clips to the high resolution clips. Select the template, and click **MERGE ALL**.



D. Use the "**Split P2 Clips**" template to split spanned high resolution clips. A high resolution clips that exceeds 4GB in size (typically about 5 minutes) gets spanned due to the FAT32 file size limitations that exist. For the purposes of proxy editing, spanned clips must be **un-spanned** for streamlined editing. Select the template, and click **MERGE ALL**.

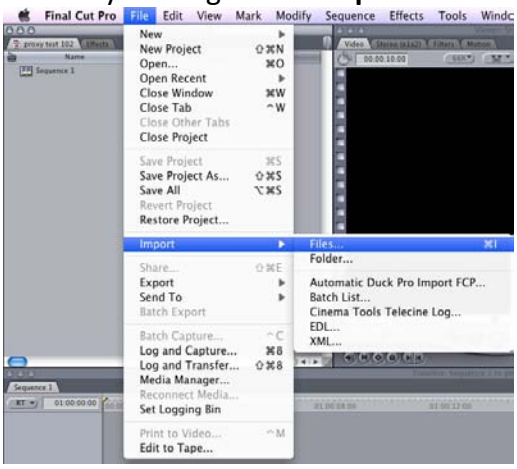


3.2 Using Apple Final Cut Pro 7 (FCP) to Edit Proxy and Conform to High Resolution

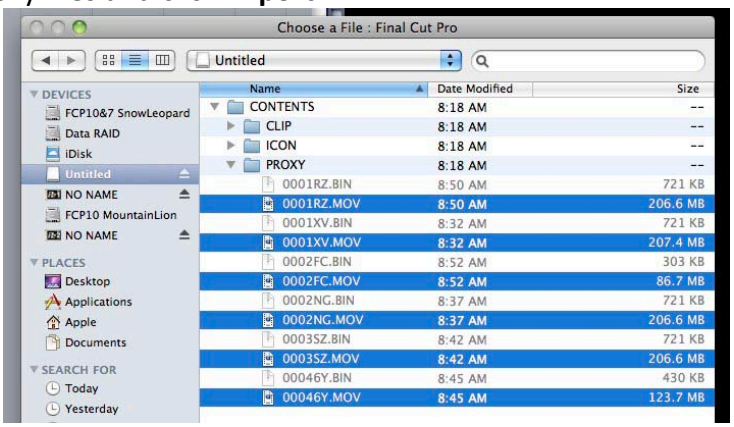
(For other NLEs that support proxy editing, refer to **Appendix C**).

3.2.1 Editing Proxy

G. Import proxy .MOV files in FCP by clicking **File → Import → Files**

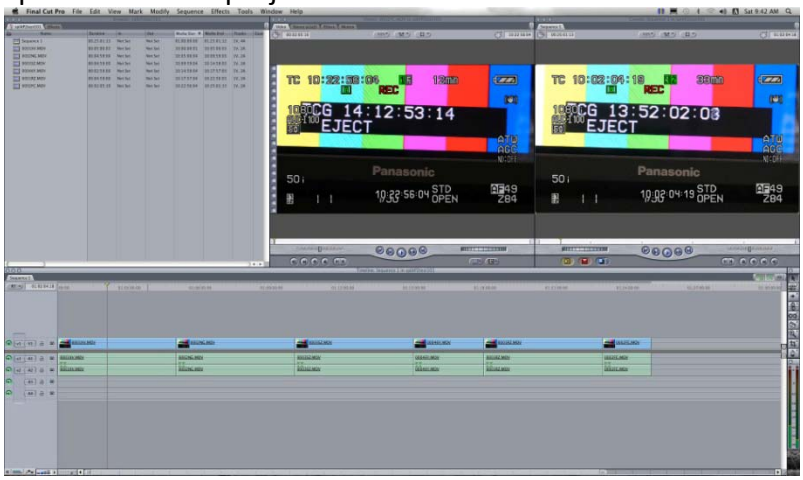


H. Direct FCP to proxy files and click **import**.



I. Drag proxy files to timeline. When prompted to “Change sequence settings to match the clip settings?” click **Yes.**

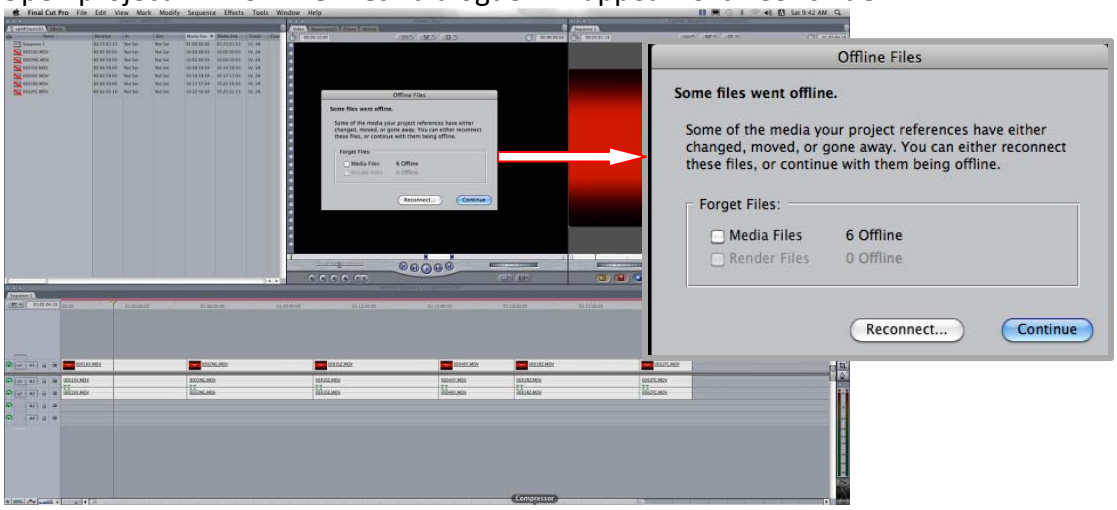
J. Edit Footage as required and Save project.



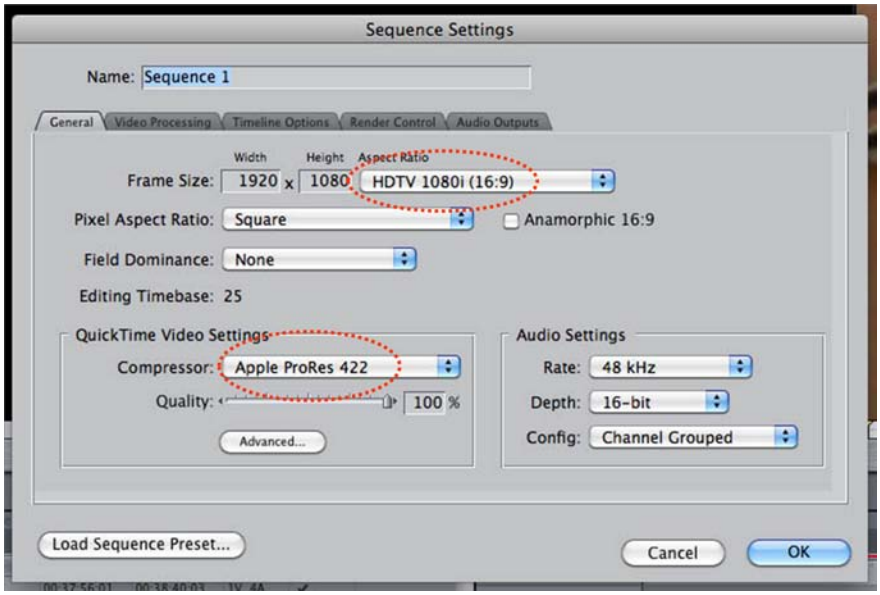
3.2.2 Conforming to High Resolution

A. **Proxy files are no longer needed.** Eject the drive containing proxy footage or reopen project on another Mac device.

B. Open project. An "**offline files**" dialogue will appear. Click **Continue**.

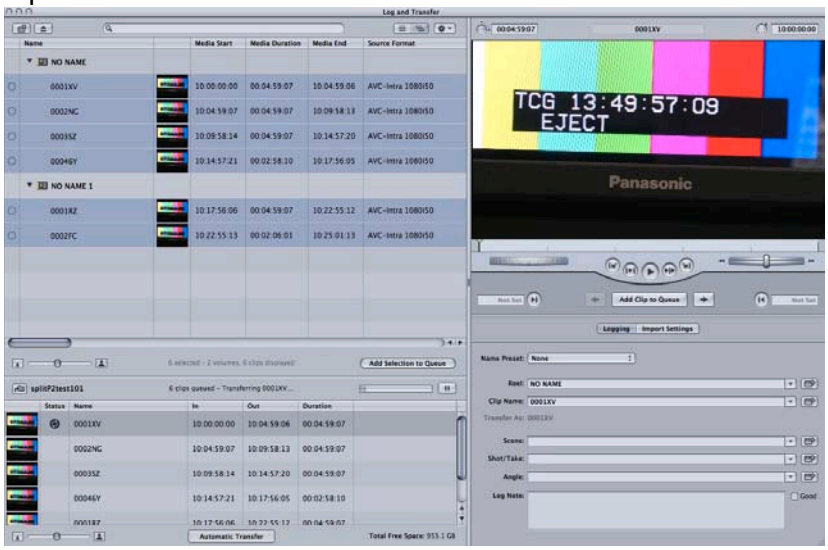

Offline Files
Some files went offline.
Some of the media your project references have either changed, moved, or gone away. You can either reconnect these files, or continue with them being offline.
Forget Files:
Media Files 6 Offline
Render Files 0 Offline
Reconnect...
Continue

C. Click **Sequence → Settings.** Select HDTV for frame size and Apple ProRes 422 for compressor as seen below.

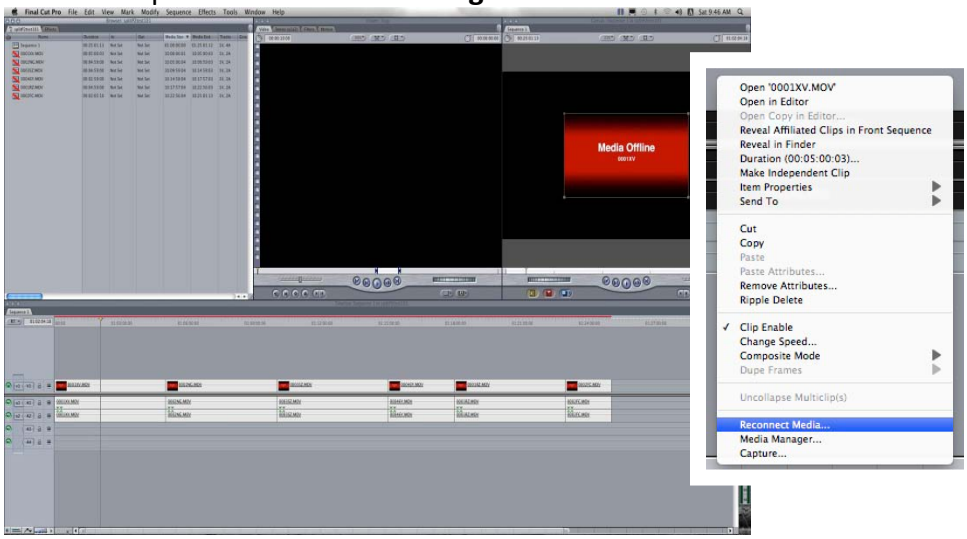


D. Click **File → Log and Transfer.**

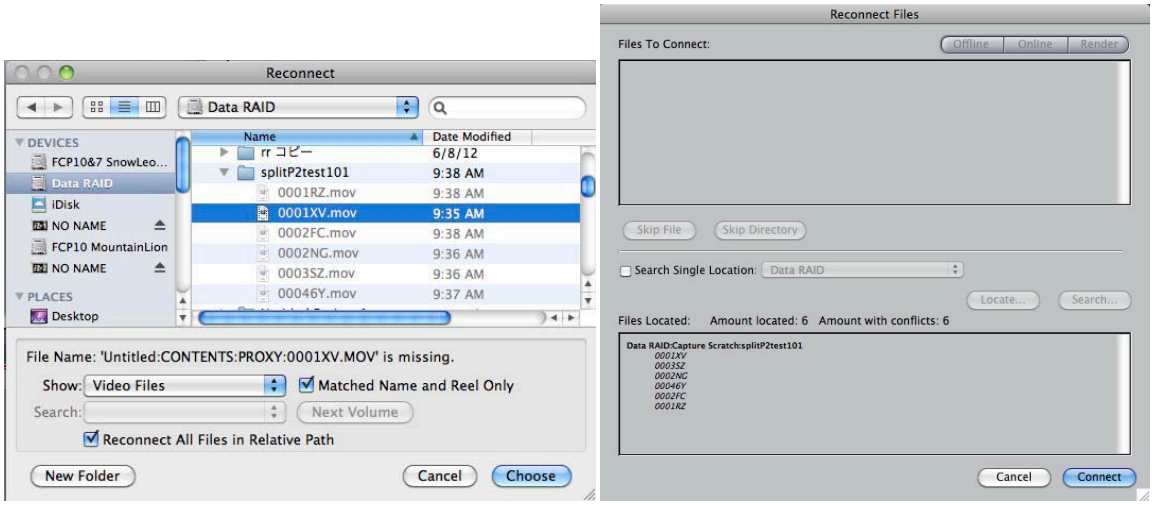
E. Direct to P2 Card containing high resolution files. (Make sure you completed the 3.1 proxy companion step above before you do this). Make sure clip names are the same as the proxy clips. Click **Add Selection to Cue** to initiate transfer.



F. Select all clips on the timeline and **right click**. Click **Reconnect Media**.



G. Direct to the high resolution footage transferred in the previous step. Click **Choose** and then click **Connect.**



H. The proxy clips are now replaced with the high resolution clips.

4. Appendix

Appendix A: Supported Input and Output Formats of FS-P250:

1. Proxy Types based on HD or SD Input:

HD-SDI Input:

Type	Wrapper	Structure	Resolution	Scanning Mode	FPS	Bit Rate	H.264 Profile	Audio	Audio Bite Rate	Type
SHQ	MOV	None	960x540	Progressive	30/25/24	3–4 Mb/s	High	2 ch.	48 Khz	LPCM
HQ	MOV	None	640x360	Progressive	30/25/24	1.5 Mb/s	High	2 ch.	64 Kb/s, 48 Khz	AAC-LC
LOW	MOV	None	480x270 320x180*	Progressive	30/25/24	800 Kb/s	Baseline	2 ch.	64 Kb/s, 48 Khz	AAC-LC

SD-SDI Input:

Type	Wrapper	Structure	Resolution	Scanning Mode	FPS	Bit Rate	H.264 Profile	Audio	Audio Bite Rate	Type
LOW NTSC	MOV	None	352x240	Progressive	30	800 Kb/s	Baseline	2 ch.	64 Kb/s, 48 Khz	AAC-LC
LOW PAL	MOV	None	352x288	Progressive	25	800 Kb/s	Baseline	2 ch.	64 Kb/s, 48 Khz	AAC-LC

2. Supported Input Types from AG-HPX250/255:

The FS-P250 will automatically recognize the output format of the HPX250. Supported formats are:

- 1080 60i/30PN/24PN/24PA/50i/25P,
- 720 60P/30PN/24PN/50P/25PN/25P
- 480 60i/30P/24P/24PA, 576 50i/25P

(For instructions on selecting the output format of the HPX250, please refer to HPX250 Operating Instructions Manual).

Appendix B: System Requirements for Web Application

Devices	OS	Browser	Java	Media Player
Mac	Lion (10.7.4), Snow Leopard (10.6.8)	Safari 5.1.7, Firefox 13.0.1	v7	Quicktime X (10.1)
PC	Windows 7, XP (32/64bits)	IE8 and IE9, Safari 5.1.7	v6 and v7	VLC 2.0.1, QT7.7.2
iPad/iPad2/New iPad	iOS 5 (5.1.1)	Safari	Not required	Quicktime (QT)
iPhone 3/3GS/4/4S	iOS5 (5.0.1 and 5.1.1)	Safari	Not required	Quicktime (QT)
iPod Touch (G4)	iOS 5.0.1	Safari	Not required	Quicktime (QT)

Plugins:

Javascript	http://www.java.com/fr/download/index.jsp
VLC 2.0.1	http://download.videolan.org/pub/videolan/vlc/2.0.1/
Quicktime X	http://www.apple.com/quicktime/download/

Appendix C: Non-Linear Editing Systems (NLEs) that Support Proxy Editing and High Resolution Conform

Manufacturer	Application	Using Proxy EDL for Hi-Res. Editing	Support for Text Memos	Notes
Adobe	Premiere CS6	Y	N	1, 4
Apple	Final Cut Pro 7	Y	N	1, 2
	Final Cut Pro X	Y	N	1, 3
Avid	Media Composer	N	N	
Grass Valley Design	Edius 6.5	Y	Y	6
Sony	Vegas Pro 12	Y	Y	5

Notes:

1. Proxy Companion Software is required to un-span P2 high resolution clips in order for synchronizing P2 and Proxy clips, as **spanned proxy clips are not recognized**.
2. Use LOG AND TRANSFER dialogue to import high resolution clips. Drag & Drop proxy clips.
3. Use MEDIA IMPORT dialogue to import both high resolution and proxy. (Drag & Drop for proxy works as well)
4. Use MEDIA BROWSER to import both high resolution and proxy. (Drag & Drop for proxy works as well)
5. Use IMPORT→ MEDIA for both proxy and high resolution. Once editing is completed right click .MOV file in Project Media area and click replace to relink to high resolution. Sony Vegas does not recognize spanned P2 clips, so P2 Companion is not required.
6. Drag and drop Proxy files into timeline. Once ready to relink, insert P2 card or navigate media browser to P2 files. Edius will recognize that high-resolution files for proxy was inserted and give you the option to replace.

Appendix D: Resources

For detailed instructions on any of the above listed processes refer to:
AG-HPX250/255 User Manual
FS-P250 User Manual
FS-P250 Web Application Manual
FS-PCS User Manual (Proxy Companion Software)
FCP7 Proxy FS-PCS 1.0.0.101 Guide (Final Cut Pro Editing Guide)

(The above listed were referenced highly in compiling this quick start guide).